

HAZARD CONTROL PLAN AND WORK AUTHORIZATION

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This form is from MAQ-035

1. Describe the work to be performed (use continuation page if needed) or give procedure number, revision number, and title.

HCP-MAQ-Small generators, R2

Title: Operating the small electrical generators.

The group has a couple of generators: pull start, air cooled, and gasoline powered.

2. Describe potential hazards associated with the work (use continuation page if needed).

a. Electrical shock when plugging in power cords.

b. Fuel spills, fires. Fuel can be spilled on the hot engine and start a fire. Storage and transportation of fuel creates risks of spillage.

c. Lifting/Moving Hazards: back strains or injuries from lifting heavy generators.

3. For each hazard, list the likelihood and severity, and the resulting initial risk level (before any work controls are applied, as determined according to LIR300-00-01, section 7.2)

a. Plugging in power cords: improbable / moderate = minimal.

b. Fuel spills, fires: occasional / critical = medium

c. Lifting/Moving Hazards: occasional / critical = medium

Overall *initial* risk: ☐ Minimal ☐ Low ☒ Medium ☐ High

4. Applicable Laboratory, facility, or activity operational requirements directly related to the work:

☒ None ☐ List:

Work Permits required? ☒ No ☐ List:

5. Describe how the hazards listed above will be mitigated (e.g., safety equipment, administrative controls, etc.):

Read and understand manufacturer's operator manual. Observe all warnings posted on generator.

Before starting: Check engine oil. Turn off main switch. Plug in extension cord(s). Make sure switchable powered devices are off.

a. ALWAYS use a GFCI device or an extension cord with GFCI on the power cord.

Use care in wet weather when plugging in cords; electrical panel is exposed to weather.

See continuation page.

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6. Knowledge, skills, abilities, and training necessary to safely perform this work (check one or both):

☐

Group-level orientation (per MAQ-032) and training to applicable procedure.

☒

Other → Describe:

Read owner's manual.

7. Any wastes and/or residual materials? (check one) ☒ None ☐ List:

8. Considering the administrative and engineering controls to be used, the *residual* risk level (as determined according to LIR300-00-01, section 7.3.3) is (check one):

☐

Minimal

☒

Low

☐

Medium (requires approval by Division Director)

9. Emergency actions to take in event of control failures or abnormal operation (check one):

☐

None

☒

List:

In case of fuel spills, stop work in the area until the fuel evaporates or (for larger spills) is cleaned up by emergency response personnel.

In case of fire, call the fire department.

After this form is approved, perform the work safely. Identify opportunities for improvements in safety and report these to the safety officer or group leader.

Preparer(s) signature(s)

Name(s) (print)

/Position

Date

[NOTE: Training to a procedure constitutes authorization.] **If this work is NOT described by a procedure:** I have reviewed the safety of this proposed work with the group safety officer and I commit to follow safe practices when performing this work.

Employee signature

Name (print)

Date

Additional employee signature (optional)

Name (print)

Date

Additional employee signature (optional)

Name (print)

Date

Group leader or safety officer review.

I have reviewed the proposed work with 1) the preparer(s) and 2) employees who will perform the work (if not described in a procedure) and I believe the hazards and safety concerns have been adequately addressed. The work as described above is hereby authorized. This authorization expires one year after the date below.

Group leader or safety officer signature

Name (print)

Date

This plan will be revised according to MAQ-035. Group leader or safety officer: After completion, submit to group Records Coord.

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Hazard Control Plan continuation page. Give item number being continued.

5. Mitigation, continued

b. When refueling: Only do refueling OUTDOORS and AFTER the engine has cooled for at least 5 minutes. Carry gas in approved safety gas cans only -- MAXIMUM 8 gallons. Wear safety glasses when refueling. Check engine oil at each refueling. Leave MAX of 17 oz in engine fuel tank. When filling gas cans: Always put the can ON THE GROUND when adding gas. Cans in the bed of a truck, especially one with a bed liner, are often not grounded and a spark can occur between the gas nozzle and the can. Many fires have occurred this way.

c. Lifting/Moving Hazards: Always use two people to lift and move a generator.